

Work Order ID 146715

May 20, 2016 2:35:55 PM

146715

June 22

Page 1

Item ID: D2842-044

Revision ID: PRELIM

Item Name: Step Assembly, RH, 206 Float (PHI)

Start Date: 5/17/2016 Start Qty: 1.00

Required Date: 6/30/2016 Req'd Qty: 1.00

Reference:

PRELIMINARY ISSUE

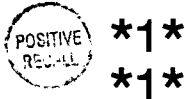
N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:



Approvals:

Process Plan: SUDate: 20160520

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr	DAS	DAS	Run Hours
D2842	PREL C	9-89	10	0.00

100

Large Fab

Large Fab

Memo

0.50

Large Fab

1-Cut D2842-1 using D2622 extrusion as per Dwg D2842

2-Deburr and bevel ends for welding

DAS
19
9-89

110

QC6- Inspect dimensions to drawing

0.00

110

QC

Memo

0.00

Quality Control

1 0 16-06-06

120

Weld per dwg A/R Aluminum rod Batch M134442 M131562 0.00

Large Fab

120

Large Fab

Memo

0.99

Large Fab

1-Weld one end cap and (2) lugs using Jig DT10038 as per Dwg D2842

2-Grind end cap weld flush

DT10038

1 0 16-06-10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Page 2

Item ID: D2842-044

Accept

N900040100Setup Start ***NS1***

Revision ID: PRELIM

Stop ***NS2***

Item Name: Step Assembly, RH, 206 Float (PHI)

Start Date: 5/17/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	QC9- Inspect visual per QSI004- Fusion Welds	0.00							DAS
130									9
QC	Memo	0.00					① 16.06.11		9-89
Quality Control									
140	QC5- Inspect part completeness to step on W/O	0.00							DAS
140									9
QC	Memo	0.02					① 16.06.11		9-89
Quality Control									
150	Chemical Conversion Coat per QSI005 4.1	0.00							
150									
HandFinish	Memo	0.49							
Hand Finishing									

16-6-13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
OTHER : _____																									

Work Order ID 146715

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Page 3

Item ID: D2842-044 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: PRELIM Stop ***NS2***
Item Name: Step Assembly, RH, 206 Float (PHI)
Start Date: 5/17/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 6/30/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	DAS 18 9-89
160 *160* QC Quality Control	QC7-Inspect Chemical Conversion Coat Memo	0.00 0.01				1	0	16-06-13		
170 *170* Large Fab Large Fab	Weld per dwg A/R Aluminum rod Batch: <u>MB1562</u> Large Fab Memo 1-Remove alodine prior to welding. Weld end cap as per Dwg D2842. 2-Grind end cap weld flush.	0.00 1.49				1	0	16-06-14	BE	
180 *180* QC Quality Control	QC10- Inspect visual per QSI004- ground welds Memo	0.00 0.00				0		16-06-14		DAS 9 9-89

DQA: _____ Date: _____



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QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190	QC5- Inspect part completeness to step on W/O	0.00							DAS
190									9
QC	Memo	0.02				①	16-06-14		9-89
Quality Control									
191	Pressure Wash per QSI005 4.3	0.00							
191									
HandFinish	Memo	0.16							
Hand Finishing	***Touch up step with alodine per qsi 005 prior to powder coat***								
200	Spray Painting per QSI005 4.2	0.00							DAS
200									41
SprayPaint	Memo	0.14				1			9-89
Spray Painting	SPRAY PAINT AS PER NOTE 2								16-7-21
	Prime 134937								
	Paint 135300								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
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 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
210	QC14- Inspect Spray Paint	0.00							
210									
QC	Memo	0.01							
Quality Control									
220	HandFinishing	0.00							
220									
HandFinish	Memo	0.66							
Hand Finishing									
	2-Wing Walk as per Dwg D2842 and QSI 005 4.1								
	Batch: <u>M134948</u>								
230	QC5- Inspect part completeness to step on W/O	0.00							
230									
QC	Memo	0.02							
Quality Control									

DAS
38
9-89
JUL 26 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

May 20, 2016 2:35:55 PM

Page 6

Item ID:	D2842-044		
Revision ID:	PRELIM		
Item Name:	Step Assembly, RH, 206 Float (PHI)		
Start Date:	5/17/2016	Start Qty:	1.00
Required Date:	6/30/2016	Req'd Qty:	1.00
Reference:			

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:

Run Start *NR1*

Stop *NR2*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

240

240

Packaging

Packaging

Identify as per dwg & Stock Location: _____

0.00

Memo

0.01

DAS
27
9-89

DAS
28
9-8

AUG 04 2016

250

250

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.10

DAS
21
9-89

AUG 05 2016

DAS
21
9-89

AUG 05 2016

POSITIVE RECALL

EFFECTIVE _____ AUTH _____

EFFECTIVE DAS 1608.03
RELEASED 9 DATE 1608.03

at Re²⁰⁰
OS per ECN16-620

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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OTHER :																																																																									

Picklist Print

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Page 1

Work Order ID: 146715

146715

Parent Item: D2842-044

D2842-044

Parent Item Name: Step Assembly, RH, 206 Float (PHI)

Start Date: 5/17/2016

Required Date: 6/30/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 16-05-19 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2622-120C		Manufactured	No				Each	72.2360		1			
D2622-120C									**				
Step Extrusion													

Location	Loc Qty	Loc Code
WA003	0.236	
130161	0.236	
WA004	72	
140539	72	
	Each	40.0000

D2734		Manufactured	No				Each	40.0000		2			
D2734									**				
Step End Plate													

Location	Loc Qty	Loc Code
WA003	40	
134415	30	
141034	10	

D3459-1		Manufactured	No				Each	36.0000		2			
D3459-1									**				
Float Step Mounting Plate													

Location	Loc Qty	Loc Code
WA003	36	
130490	15	
132719	9	
134950	12	

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By _____					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____							
Misidentified ☐	☐ Past Due								

Picklist Print

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Page 2

Work Order ID: 146715

146715

Parent Item: D2842-044

D2842-044

Parent Item Name: Step Assembly, RH, 206 Float (PHI)

Start Date: 5/17/2016

Required Date: 6/30/2016

Start Qty: 1.00

Required Qty: 1.00

D3459-3

Manufactured No

Each

34.0000

2

D3459-3

Float Step Mounting Plate

BE160606

Location

Loc Qty

Loc Code

WA003

34

129735

2

130491

20

134882

12

2

A

DAS
10
9-89

MS20601AD4W2

M134134 of BE1606-14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

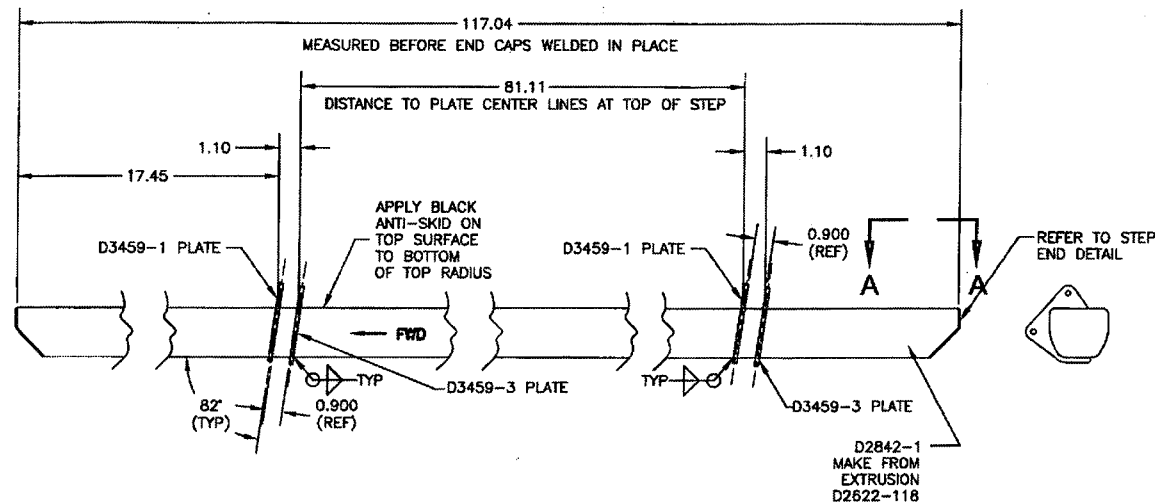
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
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Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								

Qty -043	Qty -044	Part Number	Description
X	X	D2842-043	LH FLOAT STEP ASSEMBLY (FOR PHI)
		D2842-044	RH FLOAT STEP ASSEMBLY (FOR PHI)
1	1	D2622-118	EXTRUSION
2	2	D2734	END PLATE
2	2	D3459-1	PLATE
2	2	D3459-3	PLATE
1	1	MS20601AD4W2	RIVET

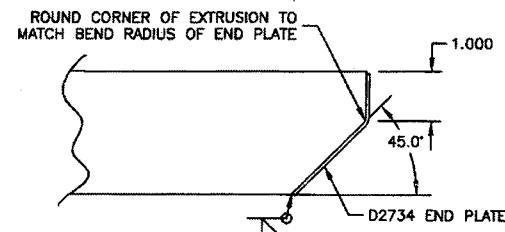


NOTE: ALL WELDS SHALL BE 100% VISUALLY INSPECTED BY A QUALIFIED INSPECTOR PER DART QSI 004

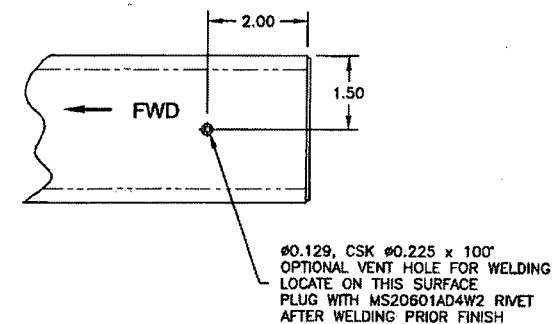
D2842-043 LH FLOAT STEP ASSEMBLY (SHOWN)
D2842-044 RH FLOAT STEP ASSEMBLY (OPPOSITE)

NOTES:

- 1) MATERIAL: MAKE FROM EXTRUSION D2622
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 PRIME (REF 4.2.1.3.3) OUTSIDE PER QSI 005 4.2.1
 PAINT BLACK PER QSI 005 4.2.2 USING CA8213/F37038 CAMOFLAGE BLACK PER MIL-PRF-05285E TYPE I CLASS H
 APPLY BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2842-043/-044" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A
- 8) WELD PER DART QSI 004



TYPICAL STEP END DETAIL
 NOT TO SCALE

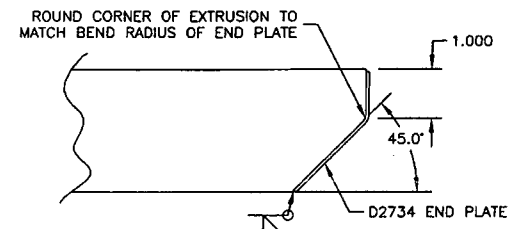
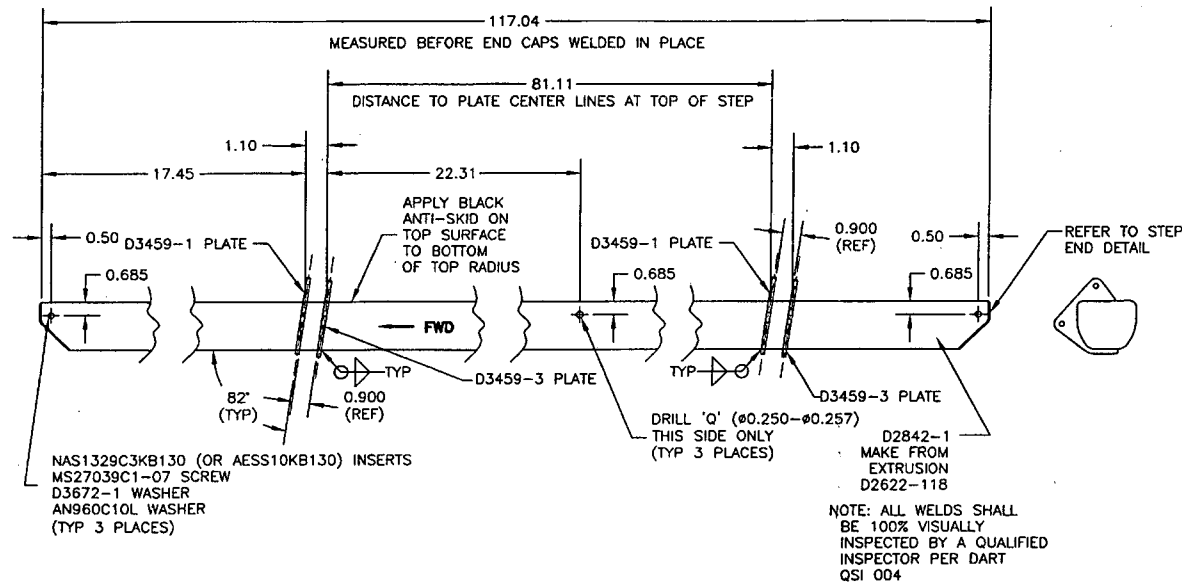


SECTION A-A
 NOT TO SCALE

PRELIMINARY # 2016.05.16

DESIGN	KE	DART AEROSPACE USA, INC	
DRAWN	RF	EUGENE, OR	
CHECKED	AK	DRAWING NO.	REV. C
MFG. APPR.	DD	D2842	SHEET 2 OF 2
APPROVED	DS	TITLE	SCALE
DE APPR.	11	206/407 FLOAT STEP ASSEMBLY	NTS
DATE	16.04.25	COPYRIGHT © 1998 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRINTED AND COPIERED, AND IS REPRODUCED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

Qty -041	Qty -042	Part Number	Description
X		D2842-041	LH FLOAT STEP ASSEMBLY
	X	D2842-042	RH FLOAT STEP ASSEMBLY
1	1	D2622-118	EXTRUSION
2	2	D2734	END PLATE
2	2	D3459-1	PLATE
2	2	D3459-3	PLATE
3	3	D3672-1	WASHER
3	3	MS27039C1-07	SCREW
3	3	NAS1149C0332R	WASHER (AN960C10L)
3	3	NAS1329C3KB130	INSERT (or AESS10KB130)



TYPICAL STEP END DETAIL
NOT TO SCALE

D2842-041 LH FLOAT STEP ASSEMBLY (SHOWN)
D2842-042 RH FLOAT STEP ASSEMBLY (OPPOSITE)

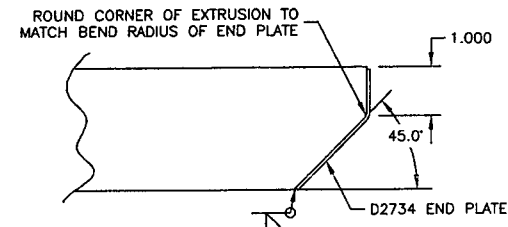
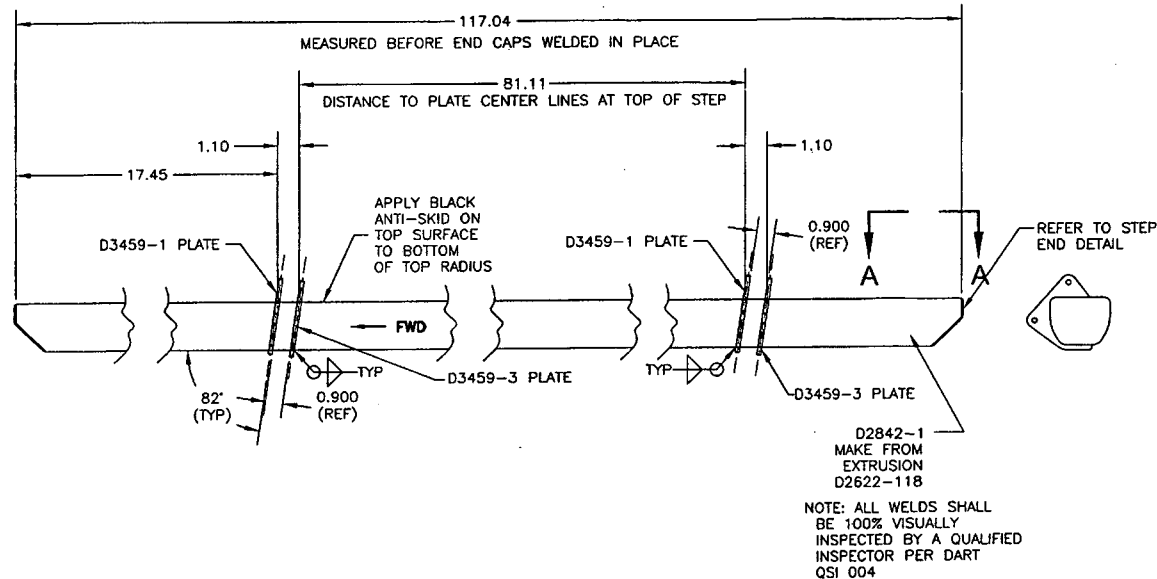
NOTES:

- 1) MATERIAL: MAKE FROM EXTRUSION D2622
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT ASSEMBLY WHITE (4.3.5.1) PER DART QSI 005 4.3
APPLY BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2842-041/-042" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A
- 8) WELD PER DART QSI 004

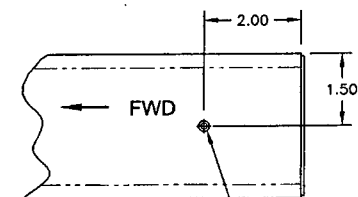
RELEASED
2016-08-02
EN 16-620

C	ADD -043/-044 (FOR PHI) FORMATTED TO CURRENT STANDARD	DS	16.04.25
B	RE-DESIGN, ADD D3459-1/-3	PH	98.10.13
A	NEW ISSUE	KE	98.10.13
REV.	DESCRIPTION	BY	DATE
DESIGN	KE	DART AEROSPACE USA, INC EUGENE, OR	
DRAWN	RF		
CHECKED	AK	DRAWING NO.	REV. C
MFG. APPR.	DD	D2842	SHEET 1 OF 2
APPROVED	DS	TITLE	SCALE
DE APPR.	DS	206/407 FLOAT STEP ASSEMBLY	NTS
DATE	16.04.25	COPYRIGHT © 1988 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

Qty -043	Qty -044	Part Number	Description
X		D2842-043	LH FLOAT STEP ASSEMBLY (FOR PHI)
	X	D2842-044	RH FLOAT STEP ASSEMBLY (FOR PHI)
1	1	D2622-118	EXTRUSION
2	2	D2734	END PLATE
2	2	D3459-1	PLATE
2	2	D3459-3	PLATE
1	1	MS20601AD4W2	RIVET



TYPICAL STEP END DETAIL
NOT TO SCALE



Ø0.129, CSK Ø0.225 x 100'
OPTIONAL VENT HOLE FOR WELDING
LOCATE ON THIS SURFACE
PLUG WITH MS20601AD4W2 RIVET
AFTER WELDING PRIOR FINISH



D2842-043 LH FLOAT STEP ASSEMBLY (SHOWN)
D2842-044 RH FLOAT STEP ASSEMBLY (OPPOSITE)

NOTES:

- 1) MATERIAL: MAKE FROM EXTRUSION D2622
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
PRIME (REF 4.2.1.3.3) OUTSIDE PER QSI 005 4.2.1
PAINT BLACK PER QSI 005 4.2.2 USING CA8213/F37038 CAMOFLAGE BLACK PER MIL-PRF-05285E TYPE I CLASS H
APPLY BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2842-043/-044" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A
- 8) WELD PER DART QSI 004

RELEASED
2016-08-02

DESIGN	KE	DART AEROSPACE USA, INC	
DRAWN	RF	EUGENE, OR	
CHECKED	AK	DRAWING NO.	REV. C
MFG. APPR.	DD	D2842	SHEET 2 OF 2
APPROVED	DS	TITLE	SCALE
DE APPR.		206/407 FLOAT STEP ASSEMBLY	NTS
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